

In the claims:

1. (Original) A vortex generator for dispensing actives, comprising

 a vortex chamber,
 a vortex element connected to said vortex chamber
and having an orifice,

 a bobbin housed within said vortex chamber for
creating a pressure wave within said vortex chamber, said pressure
wave traveling through said vortex element and exiting through said
orifice as a vortex,

 said bobbin comprising a cylinder and a diaphragm
extending from said cylinder, and

 a coil for causing axial movement of said cylinder.

2. (Original) The vortex generator of claim 1, further
comprising

a printed circuit board for controlling said coil.

3. (Original) The vortex generator of claim 1, further
comprising an insert containing an active substance to be
dispersed via said vortex generator.

4. (Withdrawn) A vortex generator comprising
 a vortex cone having an outlet, said vortex cone
being conical and defining a curved longitudinal axis,

 an active substance housed within said vortex cone
creating a concentration of said active substance, and

 a waveform generator in said vortex generator for
creating a waveform, said waveform entraining said concentration,
and forming a vortex when exiting said vortex cone outlet.

5. (Withdrawn) The vortex generator of claim 4, further
comprising

 a hub, said hub having a recess

 spokes extending from said hub, said spokes in fluid

communication with said hub recess,

a bottle retained in said hub recess, said bottle containing said active substance.

6. (Withdrawn) The vortex generator of claim 4, further comprising

a bracket extending from the inner surface of said vortex cone,

a bottle retained by said bracket, said bottle containing said active substance,

a wick extending into said active substance and out of said bottle.

7. (Withdrawn) The vortex generator of claim 4, further comprising

a nozzle removably attached to said vortex cone outlet,

said active substance carried by said nozzle.

8. (Withdrawn) The vortex generator of claim 4, wherein said waveform generator comprises

a diaphragm,

an actuator for moving said diaphragm to create a waveform.

9. (Withdrawn) The vortex generator of claim 8, wherein said actuator comprises

a magnetic post attached to said diaphragm,

a wire wrapped about said magnetic post, said wire connected to a power supply.

10. (Withdrawn) The vortex generator of claim 8, further comprising

a vortex chamber attached to said vortex cone,

said diaphragm located between said vortex chamber

and vortex cone.

11. (Withdrawn) A vortex generator for dispensing actives, comprising

a vortex chamber,

a vortex element connected to said vortex chamber and having an orifice,

a waveform generator in said vortex generator for creating a waveform and forming a vortex when exiting said vortex element orifice,

a base supporting said vortex chamber and vortex element, and

a mechanism causing oscillation of said vortex chamber and vortex element.

12. (Withdrawn) The vortex generator of claim 11, further comprising an active substance housed within said vortex element creating a concentration of said active substance.

13. (Withdrawn) The vortex generator of claim 11, wherein said vortex element is conical.

14. (Currently Amended) A vortex generator for dispensing actives, comprising

a housing

a vortex chamber in said housing,

a vortex element connected to said vortex chamber and having an orifice,

a waveform generator in said vortex chamber ~~generator~~ for creating a waveform and forming a vortex when exiting said vortex element orifice, said waveform generator comprising a diaphragm and an actuator in said housing for causing movement of said diaphragm.

15. (Withdrawn) The vortex generator of claim 14, wherein

said diaphragm actuator comprises a torsional spring and cam, said cam contacting said diaphragm.

16. (Withdrawn) The vortex generator of claim 14, wherein

said diaphragm actuator comprises a motor driving a cam and a striker having a cam follower engaging said cam, said striker contacting said diaphragm.

17. (Withdrawn) The vortex generator of claim 14, wherein said diaphragm actuator comprises a hub having at least one flapper extending radially outwardly from said hub, said flapper contacting said diaphragm.

18. (Withdrawn) The vortex generator of claim 14, wherein said diaphragm actuator comprises a foot pedal actuator having a striker, said striker moved toward the diaphragm by a motor and away from said diaphragm by a return spring.

19. (Withdrawn) The vortex generator of claim 14, wherein said diaphragm actuator comprises a solenoid and return spring causing oscillating movement of a linkage, said linkage causing a clapper to strike said diaphragm.

20. (Withdrawn) The vortex generator of claim 14, further comprising an active substance housed within said vortex element creating a concentration of said active substance.

21. (New) The vortex generator of claim 14, wherein said vortex element orifice in said housing communicate with the ambient environment.